The Joint Staff Directorate of Logistics (J4)

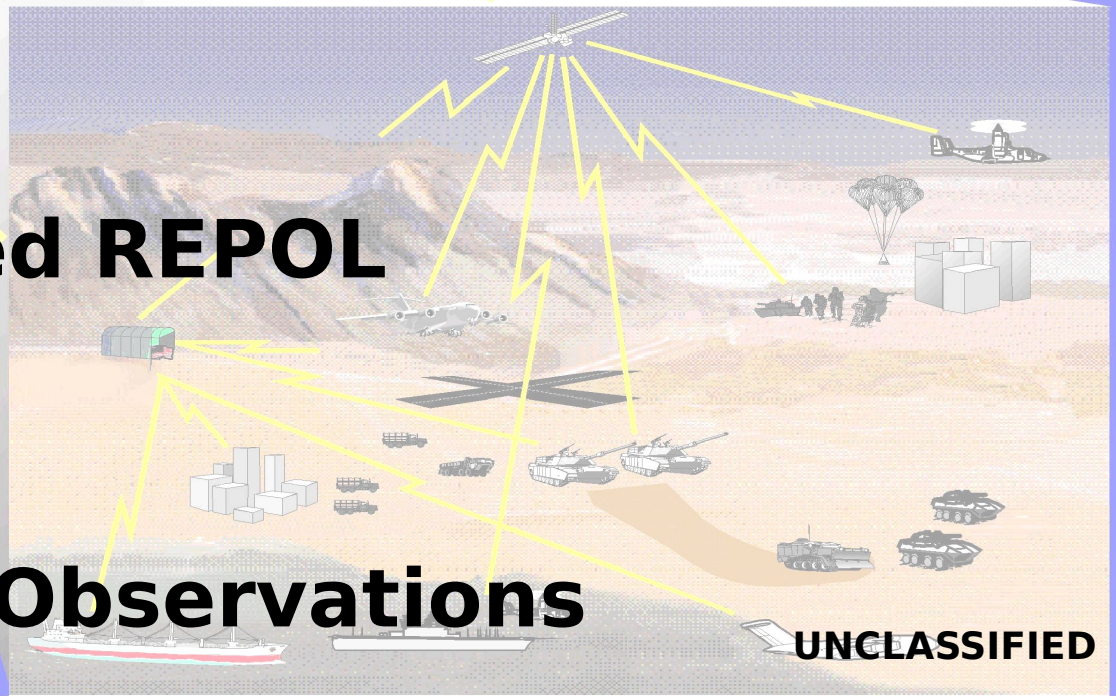
Lt Col Frank Rechner

EUCOM
POL Conference

April 2004

Overview

- Joint Staff Overview/Priorities
- Fuels Transformation
  - IPDS/RIFTS
  - OPDS
  - Automated REPOL
- IPRB Review
- Current Ops Observations



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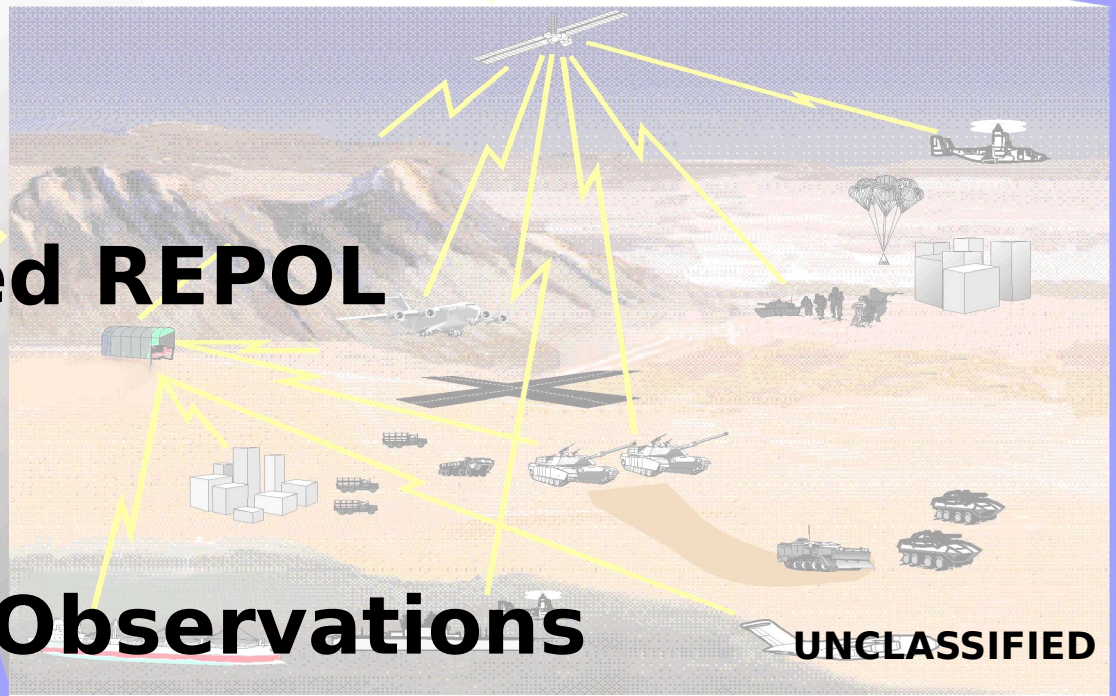


Defense Strategy Goals

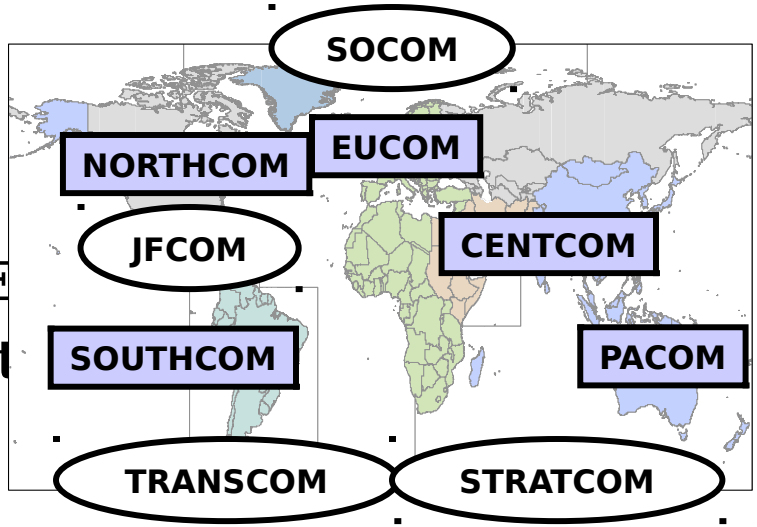
- **Assuring Allies and Friends**
- **Dissuading Opponents**
- **Deterring Threats and Coercion Against US Interests**
- **If Deterrence Fails, Decisively Defeat the Enemy**

The Changing Paradigm

- **Prior Paradigm**
  - **Strategic resources allocated to Co**

  Cdr's war plans
  - **Regional Assessments/Apportionme**
  - **Driven by Combatant Cdrs' concern**

- **Impacts of 9/11**
  - **Global commitment to OE**
  - **Impacts of apportionment**



Chairman's Priorities

True in Oct 01

- **Global War on Terrorism & WMD**
- **Proponent for Joint Warfighting**
- **Proponent for Transformation**

True Today!

J4 MISSION

Provides strategic lift, logistics, medic engineering advice to the Chairman o Joint Chiefs of Staff and the Unified C to assist in the successful execution o combined military operations in a join and efficient manner today and into t

J4 is CJCS Agent for petroleum matters

J4 Transforming for the future…

DJ4

VJ4

EXECUTIVE OFFICER & MILSEC

DEPUTY DIR FOR RESERVE MEDICAL AFFAIRS

Authorized Personnel:
Off/NCO/Civ/Contractor - 71/6/9/21
Active Reserve/Intern – 16/8
Total - 131

DEPUTY DIR FOR LOGISTICS OPERATIONS (DDLO)

JOINT LOGISTICS OPERATIONS CENTER

CURRENT OPERATIONS

INTERAGENCY

HOMELAND SECURITY

NEO

HA

DEPUTY DIR FOR POWER PROJECTION & SUSTAINMENT (DDPPS)

ENGINEERING DIVISION

OPERATIONAL ENGINEERING

SUSTAINMENT AND INTERNATIONAL LOGISTICS DIVISION

SUPPLY

SERVICES

MAINTENANCE

INTERNATIONAL LOGISTICS

COALITION LOG CELL

MOBILITY DIVISION

STRAT MOB

DISTRIBUTION

DEPLOYMENT

MOBILIZATION

JOINT STAFF SURGEON

HEALTH SERVICE SUPPORT DIVISION

JOINT HEALTH SERVICE & SUPPORT

FORCE HEALTH PROTECTION

OPERATIONS

SES DEPUTY DIR FOR STRATEGIC LOGISTICS (DDSL)

PLANS, EXERCISES & ANALYSIS DIVISION

PLANS

EXERCISE & WARGAMES

FLOW

ANALYSIS & STUDIES

LOGISTICS ASSESSMENT, STRATEGY & READINESS DIVISION

JV 2020

JROC FCB

PPBE CONGRESS

JQRR

TRAINING

DOCTRINE

FORUMS -COLD

LOGISTICS INFORMATION FUSION DIVISION

INFO FUSION

GCSS

CURRENT OPERATIONS

CAPABILITIES

STRATEGIC

JOINT VISION 2020

Precision Engagement

Dominant Maneuver

Full Spectrum Dominance

FOCUSED LOGISTICS

Full Dimensional Protection

Multinational Operations
Interagency Operations

UNCLASSIFIED

Focused Logistics

Campaign Plan

Focused Logistics means doing logistics **right.**

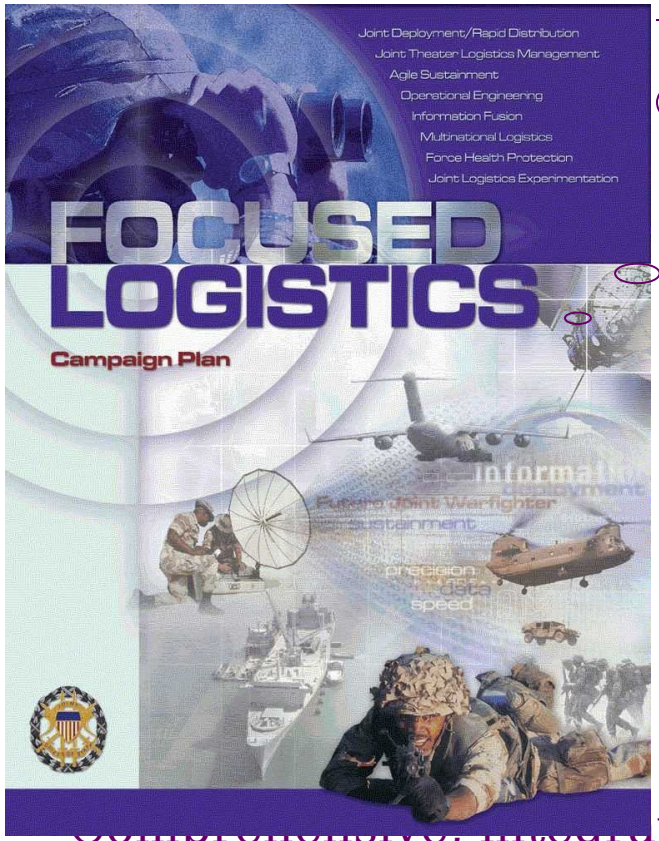
We will provide the future joint warfighter

- the **right** personnel, equipment, supplies, and support
- in the **right** place
- at the **right** time and
- in the **right** quantities

across the **full spectrum** of military operations.

Full Spectrum Support for the Future Joint Warfighter

Focused Logistics Campaign Plan



Published Aug '02

Comprehensive, integrated approach for achieving full spectrum support for the future joint warfighter

Major Sections

- **Building Blocks**
  - **Logistics Transformation**
  - **Future Logistics Enterprise**
- **Challenges**
  - **Joint Deployment/Rapid Distribution**
  - **Joint Theater Logistics Management**
  - ***Agile Sustainment***
  - **Operational Engineering**
  - **Information Fusion**
  - **Multinational Logistics**
  - **Force Health Protection**
- **Joint Logistics Experimentation**
- **Keeping Focused Logistics on Track**

http://www.dtic.mil/jcs/j4/projects/foclog/foclog.htm

Agile Sustainment

What's Our Challenge?

We must transform sustainment policies, processes, and capabilities to improve the flexibility, agility, and precision with which we sustain the warfighter.

What's Our Vision?

We will create an effective, efficient, and responsive sustainment capability that enables the warfighter to achieve full spectrum dominance through application of decisive force, power projection, overseas presence, and strategic agility.

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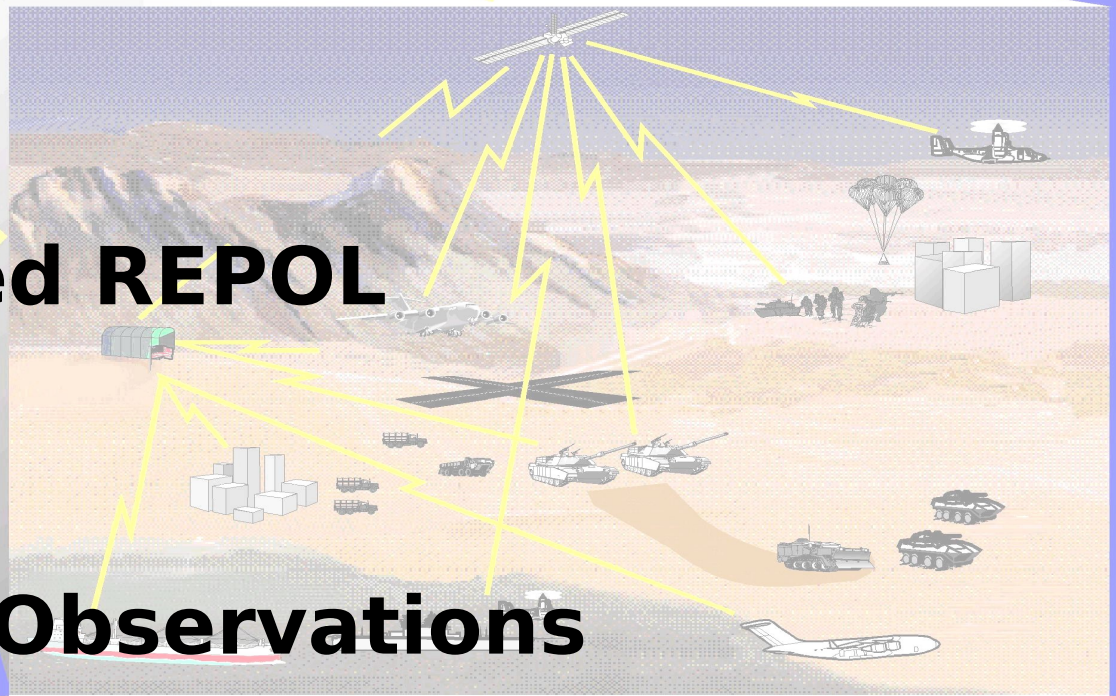


Today - Offshore Petroleum Discharge System

Issue: Current system does not meet COCOM requireme

- **Fielded early 1980's using single hull 1960's technology tanker with modifications**
- **Legacy system limited by operational parameters**
  - **Restricted to Defense Fuel Supply Point replenishment**
  - **4 miles offshore for pumping**
  - **Pumps 1.2M gallons/20 hr day**
  - **Installation limits – 9-12 kt winds, 3 ft waves, 1 kt current**
  - **Single Anchor Leg Mooring depth range 35-200 ft**

- **Legacy system government owned /contractor operated**
  - **Two OPDS ships at $25.2M/year**
  - **Four total OPDS ships; two in reduced operational status take 10 days/$680K to activate**

Future - Offshore Petroleum Discharge System

Leasing meets Combatant Commander OPLAN requirements and allows DoD to fully utilize commercial capabilities while technology and requirements evolve

- **Effective**
  - **Dynamic positioning; no anchoring**
  - **8 miles from shore pumping**
  - **Pumps 1.7M gallons/20 hr day**
- **Efficient**
  - **Reduced number of government personnel required to operate**
  - **Compatible with all commercial/military tankers**
  - **$9M/yr potential cost savings once current system retired**
- **Responsive**
  - **Improved shallow water operation parameters (20-200 ft depth)**
  - **Can install in <48 hrs, 40 kt winds, 6 ft waves, & 3 kt currents**

Result: Meet warfighter requirements by Feb 06

Today - Inland Petroleum Distribution System

Issue: System does not keep pace with maneuver forces

- **Capable legacy system – OIF largest deployment to date**
- **Transformation required to keep pace w forces**
  - **Installation pace two to three miles/d**
  - **Maneuver forces pace 50+ miles/day**
- **Manpower intensive**
  - **1,046 personnel for installation /operation of 165 mile system**
- **Extensive lift required to deploy**
  - **13 intermodal containers per five mile segment**
  - **89 C-17 sorties for 165 miles system**

- **No automation / leak detection**
  - **Inability to quickly locate & fix pipeline impact overall capability**

Future - Rapidly Installed Fuel Transfer Capability

Rapidly installed fuel transfer capability significantly increases sustainment velocity while decreasing lift and manpower required

- **Effective**
  - **High pressure system delivers 850k gallons/day**
  - **10 year lifespan**
- **Efficient**
  - **726 personnel for 165 mile system (320 less than IPDS)**
  - **34 C-17 sorties for 165 mile system (55 less than IPDS)**
  - **15 mile pump station spacing, reduces equipment required**

- **Responsiveness**
  - **Increased maneuver velocity by a factor of 10 – 20-30 miles/day install and 10 miles/day recovery**
  - **Automation / leak detection quickly avert potential mission degradation**

Result: Inland distribution that meets warfighter pace in

Today - Bulk Petroleum Contingency Report

Issue: Report currently provides 48-72 hr old informatio

- **Today's Bulk Petroleum Contingency Report (REPOL) report processed and reprocessed via defense message system, telephone, or e-mail; stopping at every level of command**
  - **Data entry duplicated for summary level report at each level; increases potential for errors**
- **Combatant Commands determine data fields limiting ability to summarize reports across theaters**
- **CENTCOM/CENTAF A4 demonstrated first web-based reporting capability for REPOL during OIF**

Future - Web-based DoD REPOL

DoD REPOL will provide JS, Military Services, and DESC summary information on bulk petroleum inventories, damage assessments, and other strategic information

- **Effective**
  - **Near real-time information; visible upon input**
  - **Standardized format; fill-in blanks**
- **Efficient**
  - **Reduces duplicate inputs**
  - **Potentially paperless system**
  - **One DoD REPOL server**
- **Responsive**
  - **Customized reports per user request**
  - **Accessible from any SIPRNET account**

Result: Near real-time bulk fuels contingency informatio

Executive Agent (EA)

Issue: Lack of clear roles & responsibilities for end-to-end w

- **Bulk Petroleum Executive Agent Directive drafted ~ DLA/DESC designated EA pending OSD approval**
- **EA development should include:**
  - **Equipment standards**
    - **Joint Program Manager vs. Service specific Program Managers for similar capabilities (i.e., Trucks, pumps, & hoses)**
  - **Training standards**
    - **OEF/OIF lessons learned highlighted joint training need**
    - **Joint schoolhouse has potential to reduces Services overhead while greatly improving operational capabilities**
  - **Joint Petroleum Officer development**
    - **Critical to success of future contingency support**

Result: Clear direction for end-to-end Joint warfighter su

Today - Fuel Support Equipment and Vehicles

Issue: Disjointed equipment and vehicle acquisition

- **Outdated systems**
  - **Lack of interchangeable parts impede equipment repairs**
  - **Exhaustive list of equipment variants used for receiving and distributing fuel; increased lift and decreased flexibility**

- **Service unique equipment reduces overall theater flexibility**
  - **Non-standard equipment requires Service unique training to repair and operate**
- **Duplication of support equipment and vehicles across Services means increased DoD cost and reduced efficiency**
- **New force protection threats forced implementation of forward receiving facility operations at all air base operations**

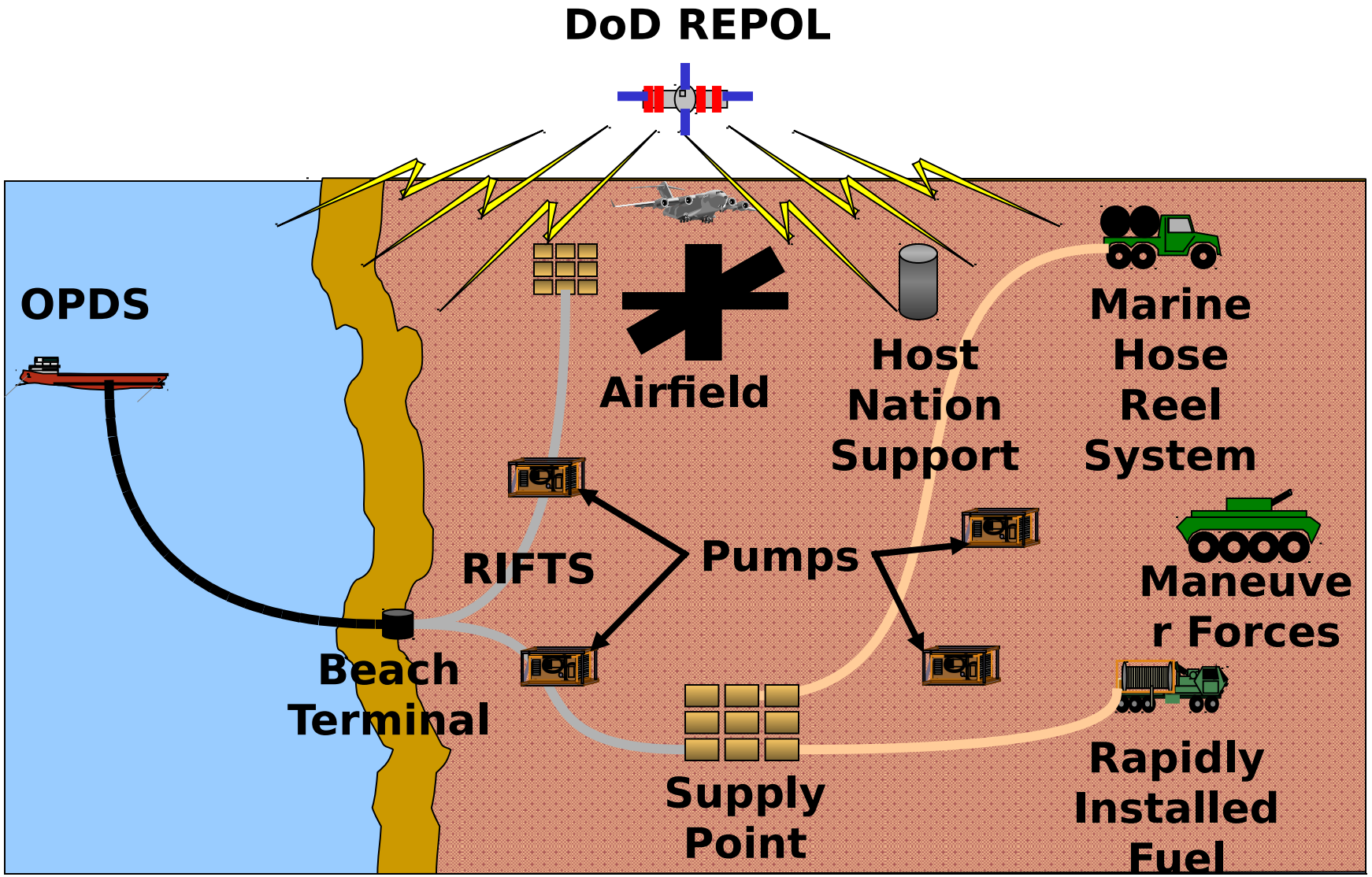
Future - Fuel Support Equipment and Vehicles

Fuels support equipment and vehicles met OEF and OIF requirements – lessons learned force us to embrace available technology, focus efforts, and standardize equipment

- **Effective**
  - **Ensures system integrity**
  - **Standardized equipment and vehicles increases operational flexibility**
- **Efficient**
  - **Consolidates fuel support equipment requirements**
  - **Reduces duplication in requirements**
- **Responsive**
  - **Reduced equipment requirement will reduce lift requirement**
  - **Standards will enhance joint base operations**

Result: Standardized DoD equipment and vehicles

When all is said and done, …



Way Ahead

- **Obtain Military Sealift Command's reported commercial capability for Offshore Petroleum Distribution System**
  - **On Hire Feb 06 / $18M estimated annual cost**
- **Accelerate testing and acquisition of Rapidly Installed Fuel Transfer capability**
  - **COCOM requirements must be validated and submitted**
  - **Include capability requirement in the Planning Guidance**
  - **Test & Evaluate FY04 / $15M**
  - **Procure FY06-09 / initial cost approximately $182M**
- **Develop/execute Phase II of DoD REPOL implementation plan**
  - **Phase I Implementation completed Sep 03 / no cost**
  - **Determine Phase II timeline/cost**
- **Develop the Bulk Petroleum Executive Agent role**
  - **Advocate to Component Steering Group standardized training/equipment procurement**

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Background

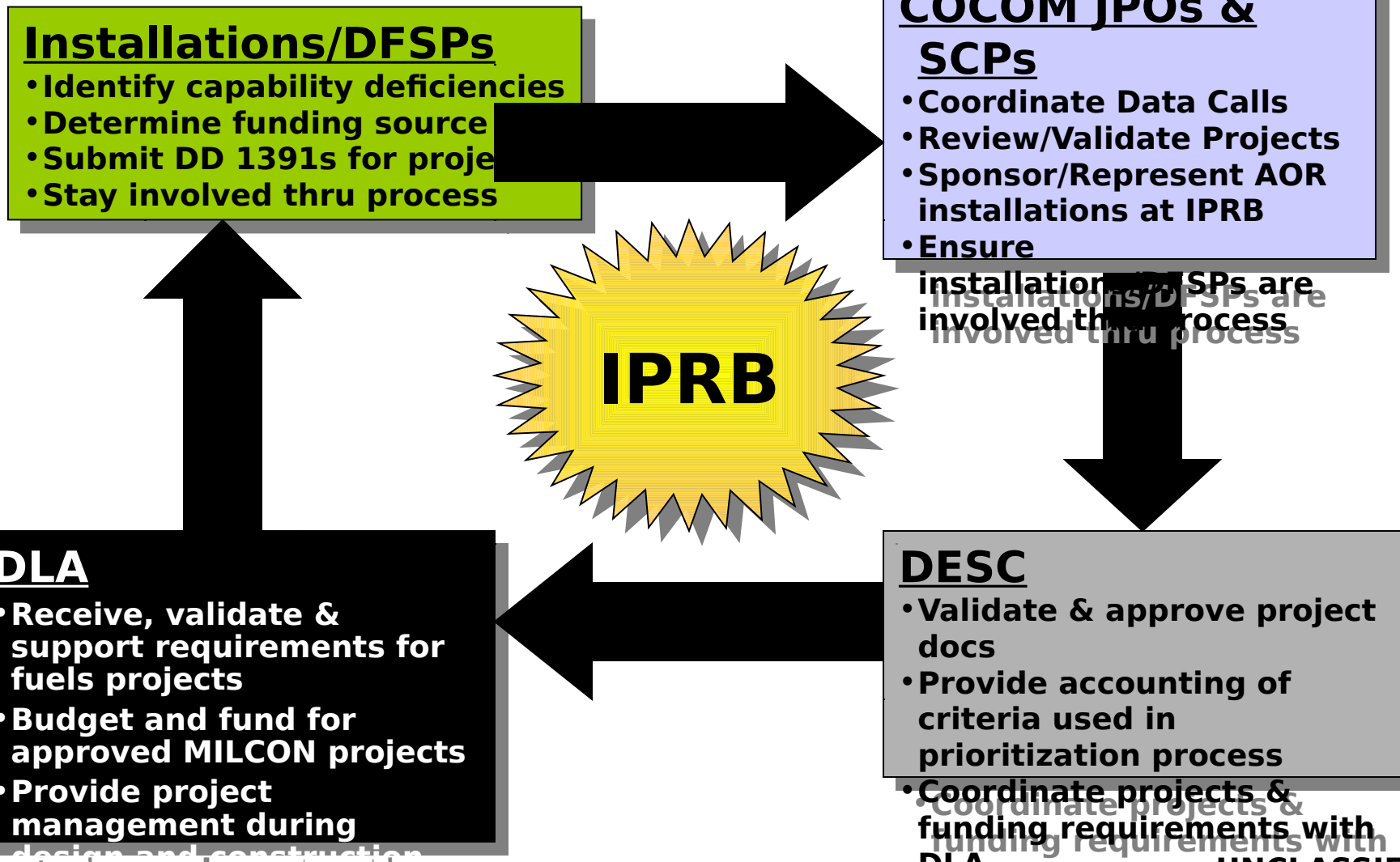
- **JCS/J4, DESC, Service Control Points, and Combatant Commands team to make best decisions for DoD**
  - **Defense Planning Guidance**
  - **Operational Plans**
  - **Installation report**
- **Through the 90's DPG focused on enroute infrastructure - 01-04**
- **DPG replaced with SPG**

Process

- **Voting Members : "The Who"**
  - **DESC-DO (Operations) and JCS/J4 JPO co-chair IPRB**
  - **COCOM JPOs and SCPs represent installation projects within their area of responsibility**
  - **DESC-F (Facilities) and DESC-B (Bulk Fuels) provide information based on their areas of responsibility**

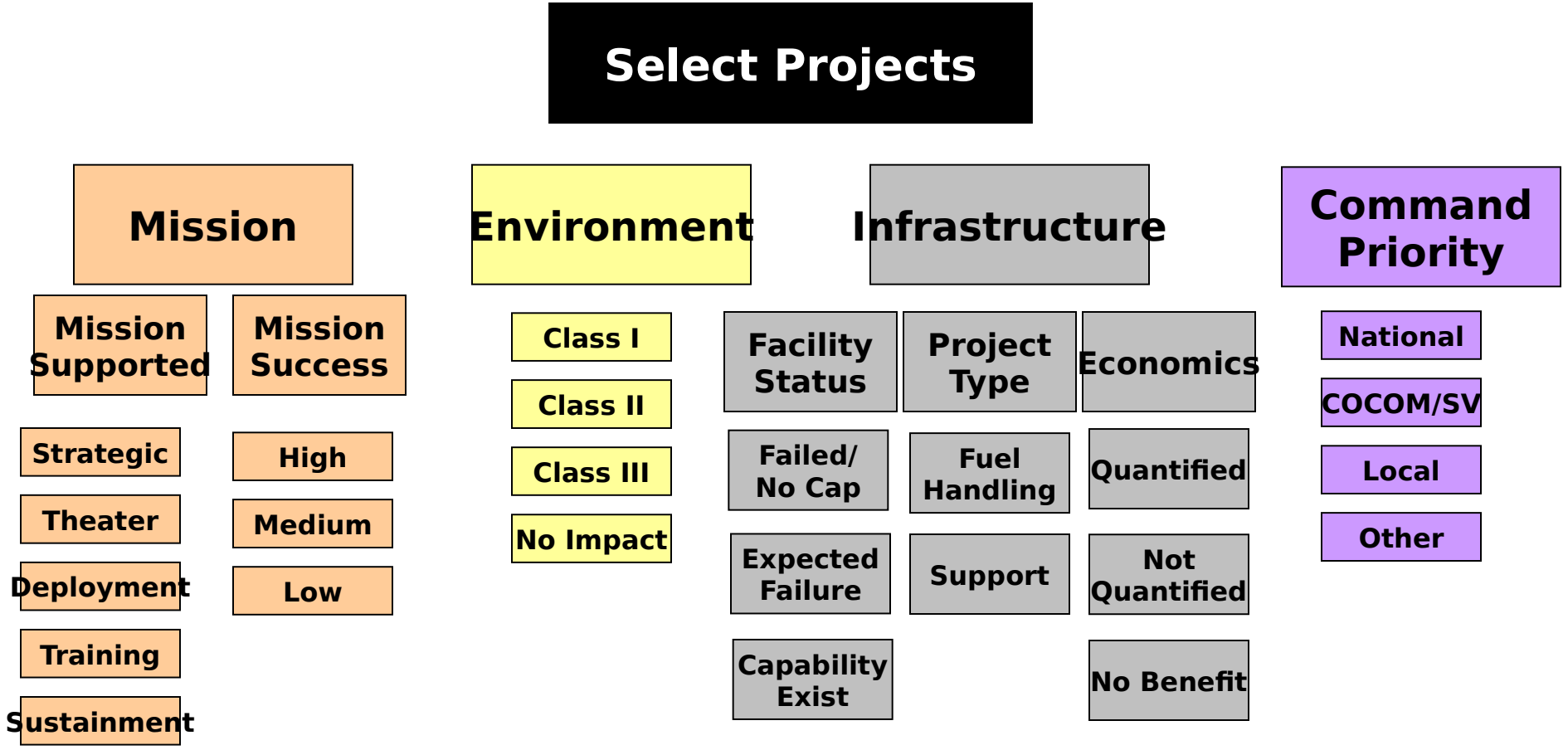
Process

- Responsibilities : "The What"


Installations/DFSPs
•Identify capability deficiencies
•Determine funding source
•Submit DD 1391s for proje
•Stay involved thru process
COCOM JPOs & SCPs
•Coordinate Data Calls
•Review/Validate Projects
•Sponsor/Represent AOR installations at IPRB
•Ensure installations/DFSPs are involved thru process
IPRB
DESC
•Validate & approve project docs
•Provide accounting of criteria used in prioritization process
•Coordinate projects & funding requirements with DLA
DLA
•Receive, validate & support requirements for fuels projects
•Budget and fund for approved MILCON projects
•Provide project management during design and construction

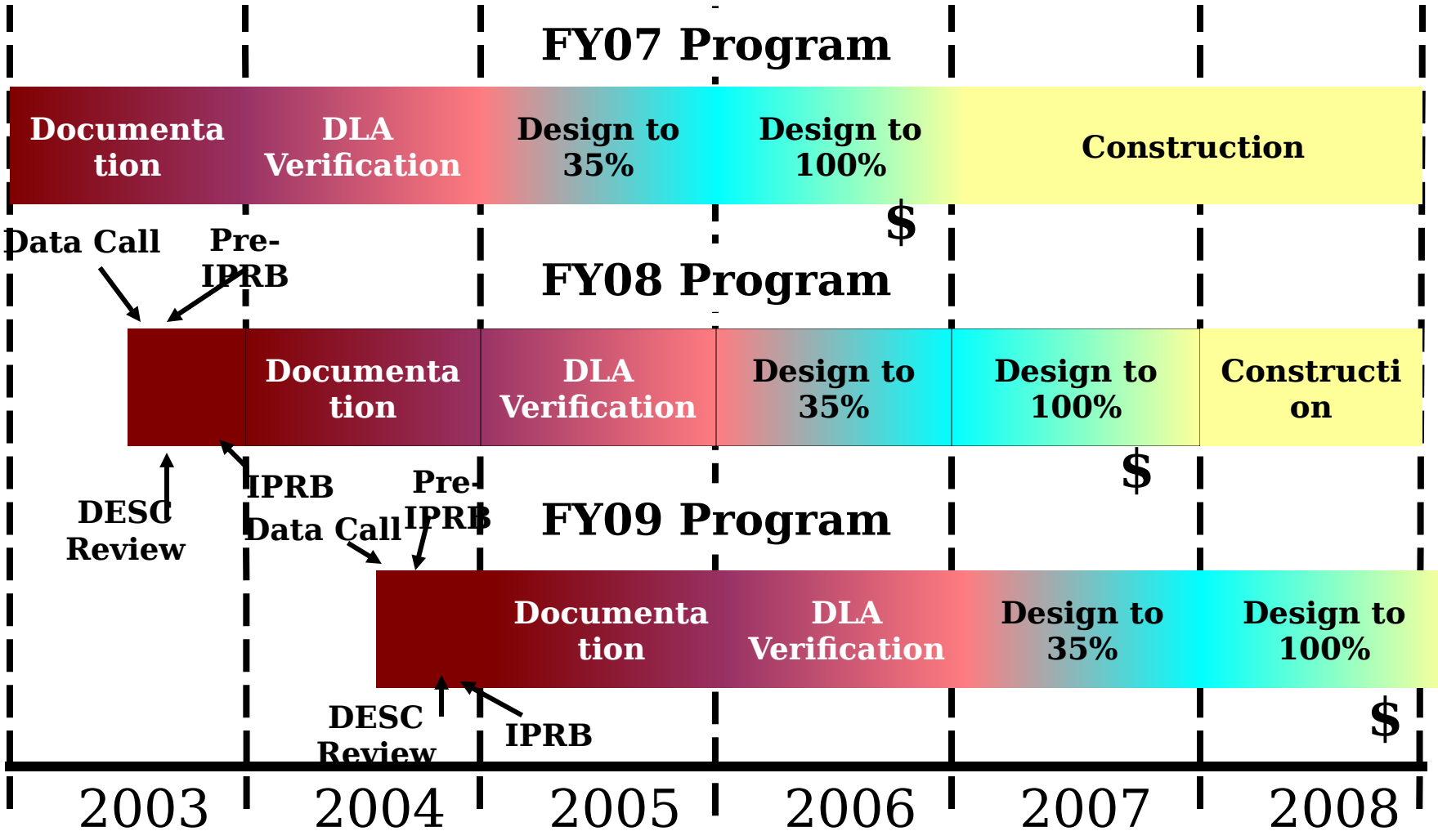
Process

- MILCON Prioritization Process : “The How”

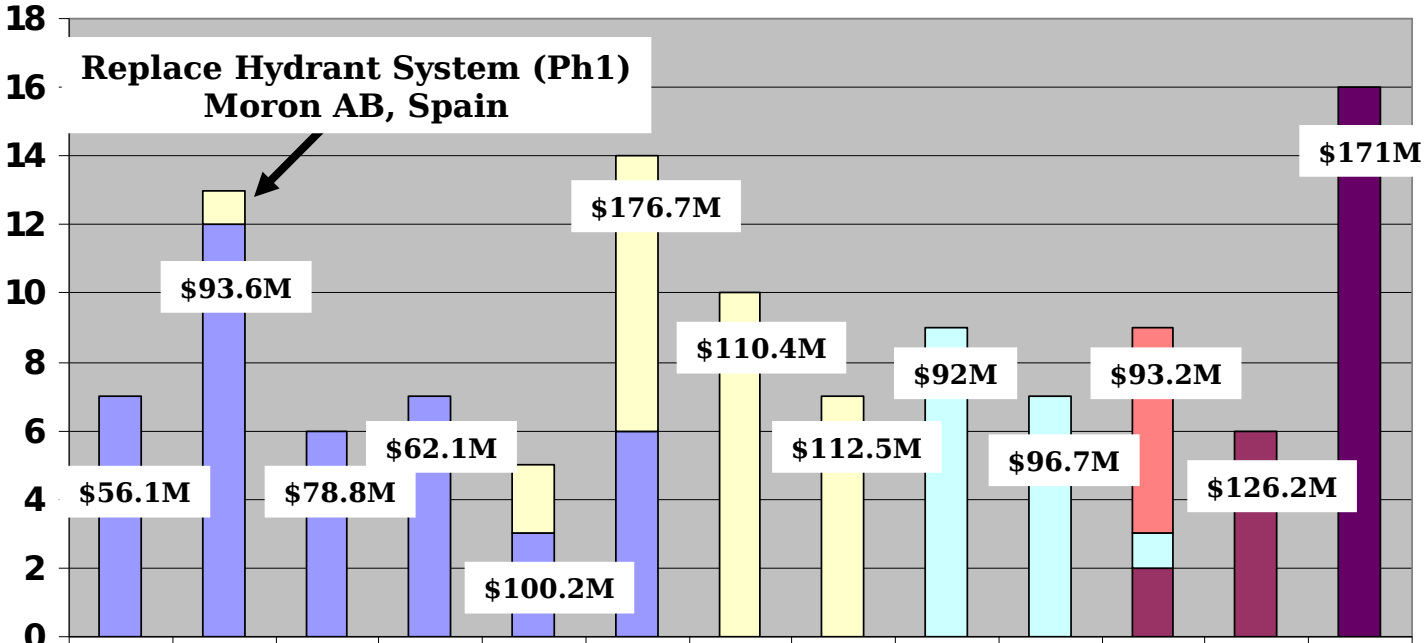


Process

- Annual Timeline : “The When”



Project Review



	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
verification											6		
Submit Docs by Dec 04													16
in Design									9	7	1		
in Constr.		1			2	8	10	7					
Documenting											2	6	
Completed	7	12	6	7	3	6							

FY08 IPRB

- **Pre-IPRB held Jun 03 to familiarize new players**
- **OEF and OIF lessons learned highlighted Joint fuels operations**
- **Things to consider**
  - **Capabilities vs requirements**
  - **OEF/OIF lessons learned**
  - **Future Plans**
  - **Existing vs new capabilities**
- **Observations**
  - **COCOM JPOs, SCPs, and DESC were more in concert than ever before; worked DoD priorities vs command priorities**
  - **Every COCOM and SCP had at least one project approved; 16 of 84 (19%) projects approved totaling $171M**

FY08 IPRB

Above the Cut-line

Description	Location	Cost
(01) REPLACE J ET FUEL TANKS	FISC Jacksonville, FL	$ 24,184
(02) Replace Fuel Storage Tank	Kirtland AFB, NM	$ 3,050
(03) Replace Bulk Fuel Distr Syst Components	Travis AFB, CA	$ 10,500
(04) ADDITIONAL ACRFT HYDRANT SYS (4 O/L)	NAF El Centro, CA	$ 3,190
(05) Direct ACFT Fueling Station	NAS Sigonella, Italy	$ 13,852
(06) Repl Jet Fuel Transfer Line/UpGrd Truck Off-Load Area	Fairchild AFB, WA	$ 4,950
(07) Fuel Storage Tank, POL Farm	NSF Diego Garcia, BIOT	$ 22,000
(08) Replace Kuahua Pipeline	FISC Pearl Harbor, HI	$ 15,240
(09) Type III Fuel Hydrant System	Barksdale AFB, LA	$ 1,800
(10) Connect PSI 10 to Fuel Main	Mildenhall AB, UK	$ 2,400
(11) Constr Bulk Fuel Tanks & Fuel Transfer Line	Charleston AFB, SC	$ 15,000
(12) CONSTRUCT DIESEL FUEL TANK	Jacksonville, FL	$ 5,940
(13) CONSTRUCT POL PIPELINE	NAS Whidbey Island, WA	$ 15,300
(14) Arrival/Departure Control Group Tank Farm	Peterson AFB, CO	$ 4,250
(15) Hydrant Fuel System	Fort Campbell, KY	$ 10,200
(16) Upgrade Fuel Hydrant System	Westover ARB, MA	$ 19,100
	Total	$170,956

Future Action

- **Sigonella Direct Aircraft Fueling Stations (hydrants)**
  - **Sigonella 3.0 Ramp Project approved at Navy or hydrant funds will be used for other projects**
  - **EUCOM/NAVEUR need to provide maintenance plan for hydrant system**
- **Prepare documentation for approved projects**
  - **Sigonella and Mildenhall**
- **Plan for FY09 data call in May/Jun 04**
- **Tentative mid 04 Pre-IPRB**

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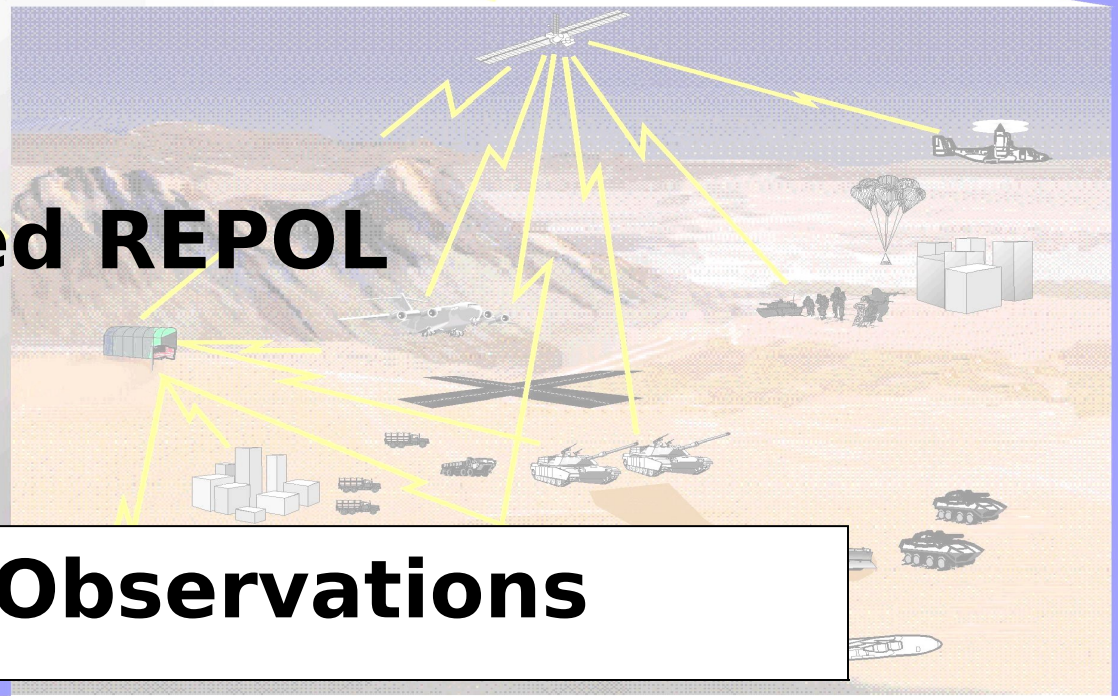

Any

CURRENT OPS/OIF OBSERVATIO

- **Success Stories**
  - **Inland Distribution – NIZ GLOC**
  - **Single Fuel on Battlefield**
- **JPO Communication**
- **DESC Fuel Support Efforts - Requirements**
- **Dual apportioned assets**
- **More joint than ever—equipment, personnel, etc.**

JOINT STAFF CONTACT INFO

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